(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 30 June 2005 (30.06.2005)

PCT

(10) International Publication Number WO 2005/058452 A2

(51) International Patent Classification⁷:

B01D 15/00

(21) International Application Number:

PCT/EP2004/014074

(22) International Filing Date:

10 December 2004 (10.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0303398-2

12 December 2003 (12.12.2003) SE

(71) Applicant (for all designated States except US): AMER-SHAM BIOSCIENCES AB [SE/SE]; Bjorkgatan 30, S-751 84 Uppsala (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LUNDBLAD, Elsa

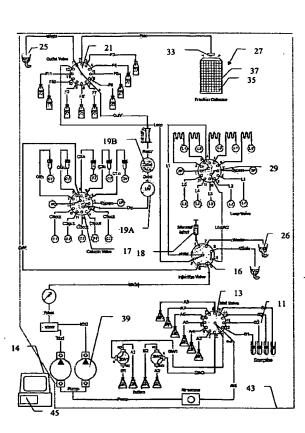
[SE/SE]; Amersham Biosciences AB, Bjorkgatan 30, S-751 84 Uppsala (SE). HEDKVIST, Lotta [SE/SE]; Amersham Biosciences AB, Bjorkgatan 30, S-751 84 Uppsala (SE). SUNDQVIST, Henrik [SE/SE]; Amersham Biosciences AB, Bjorkgatan 30, S-751 84 Uppsala (SE).

(74) Agents: CANNING, Lewis, Reuben et al.; Amersham plc, Amersham Place, Little Chalfont Buckinghamshire HP7 9NA (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: PURIFICATION SYSTEM



(57) Abstract: The present invention relates to automated chromatography systems and software for controlling such automated systems for optimising the purification of a protein from a sample. The software is adapted to monitor the signal from a detector in the system, determine two signal parameters and to control the components of the system depending on the actual values of the two signal parameters.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.